WEST Search History

| Hide Items | Restore | Clear | Cancel |

DATE: Friday, September 22, 2006

Hide?	Set Name	Query	Hit Count
		DB=USPT; PLUR=YES; OP=OR	
☐	L2	546/80	243
☐	L1	514/292	653

END OF SEARCH HISTORY

10914777

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Welcome to STN International!   Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International * * * * * *.* * * *

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
                  USPAT2
NEWS 4   JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 5   JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
                  INPADOC
NEWS 6   JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 7   JAN 17 IPC 8 in the WPI family of databases including WPIFV
NEWS 8   JAN 30 Saved answer limit increased
NEWS 9   FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
                  visualization results
NEWS 10   FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 11   FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 12   FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 13   FEB 28 MEDLINE/LMEDLINE reload improves functionality
NEWS 14   FEB 28 TOXCENTER reloaded with enhancements
NEWS 15   FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
                  property data
NEWS 16   MAR 01 INSPEC reloaded and enhanced
NEWS 17   MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 18   MAR 08 X.25 communication option no longer available after June 2006
NEWS 19   MAR 22 EMBASE is now updated on a daily basis
NEWS 20   APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 21   APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
                  thesaurus added in PCTFULL
NEWS 22   APR 04 STN AnaVist $500 visualization usage credit offered
NEWS 23   APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 24   APR 12 Improved structure highlighting in FQHIT and QHIT display
                  in MARPAT
NEWS 25   APR 12 Derwent World Patents Index to be reloaded and enhanced during
                  second quarter; strategies may be affected

NEWS EXPRESS   FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
               V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
               http://download.cas.org/express/v8.0-Discover/

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS LOGIN   Welcome Banner and News Items
NEWS IPC8   For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:59:19 ON 14 APR 2006

=> file registry
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                  ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

FILE 'REGISTRY' ENTERED AT 15:59:28 ON 14 APR 2006
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STRUCTURE FILE UPDATES: 12 APR 2006 HIGHEST RN 880252-04-0
DICTIONARY FILE UPDATES: 12 APR 2006 HIGHEST RN 880252-04-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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   conducting SmartSELECT searches.

****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
****

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s tiruchenduramine/cn
L1   1 TIRUCHENDURAMINE/CN
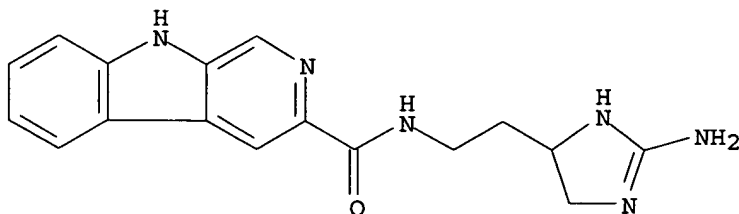
=> d l1

L1   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

10511525

```
RN    858343-35-8  REGISTRY
ED    Entered STN:   04 Aug 2005
CN    9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)ethyl]- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN    Tiruchanduramine
CN    Tiruchenduramine
FS    STEREOSEARCH
MF    C17 H18 N6 O
SR    CA
LC    STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL
```

Currently available stereo shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
              2 REFERENCES IN FILE CA (1907 TO DATE)
              2 REFERENCES IN FILE CAPLUS (1907 TO DATE)
```

```
=> file casreact
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                           7.10          7.31
```

FILE 'CASREACT' ENTERED AT 16:00:18 ON 14 APR 2006
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FILE CONTENT:1840 - 9 Apr 2006 VOL 144 ISS 15

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
***************************************************************
*                                                             *
*      CASREACT now has more than 10 million reactions        *
*                                                             *
***************************************************************
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991)
provided by InfoChem, INPI data prior to 1986, and Biotransformations
database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance

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identification.

```
=> s l1
L2              0 L1

=> file caplus
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.64	35.95

```
=> s l1/p
L3              2 L1/P

=> d abs bib hitstr 1-2
```
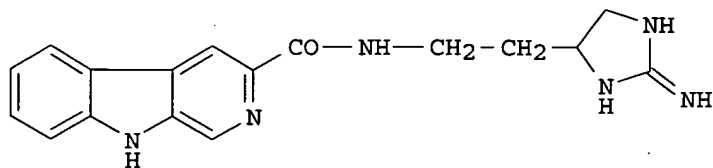
L3   ANSWER 1 OF 2   CAPLUS   COPYRIGHT 2006 ACS on STN
GI

                                                    I

AB   The isolation and synthesis of the racemic form of a novel
      β-carboline guanidine alkaloid, tiruchanduramine (I), a potent
      α-glucosidase inhibitor from the Indian ascidian, Synoicum
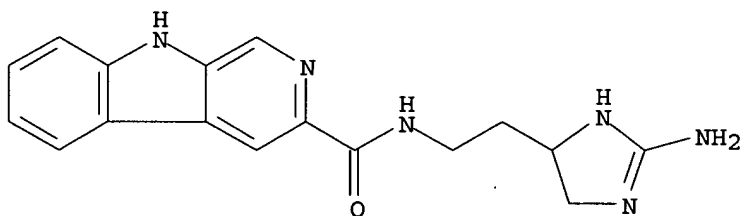   macroglossum has been achieved.
AN   2005:614681 CAPLUS
DN   143:169694
TI   Isolation and synthesis of a novel β-carboline guanidine derivative
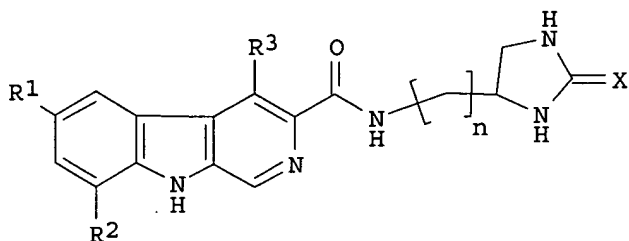   tiruchanduramine from the Indian ascidian Synoicum macroglossum

AU   Ravinder, K.; Reddy, A. Vijender; Krishnaiah, P.; Ramesh, P.; Ramakrishna,
     S.; Laatsch, H.; Venkateswarlu, Y.
CS   Natural Products Laboratory, Organic Chemistry Division-I, Indian
     Institute of Chemical Technology, Hyderabad, 500 007, India
SO   Tetrahedron Letters (2005), 46(33), 5475-5478
     CODEN: TELEAY; ISSN: 0040-4039
PB   Elsevier B.V.
DT   Journal
LA   English
IT   858343-35-8P, Tiruchanduramine
     RL: BSU (Biological study, unclassified); PRP (Properties); PUR
     (Purification or recovery); BIOL (Biological study); PREP (Preparation)
        (isolation and synthesis of a novel β-carboline guanidine derivative
        tiruchanduramine from the Indian ascidian Synoicum macroglossum)
RN   858343-35-8 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-
     imidazol-4-yl)ethyl]- (9CI)   (CA INDEX NAME)

Currently available stereo shown.

RE.CNT   29   THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3   ANSWER 2 OF 2   CAPLUS   COPYRIGHT 2006 ACS on STN
GI

I

AB   The invention relates to a process for the isolation of β-carboline
     guanidine alkaloid, tiruchenduramine I [R1-R3 = H, n = 2, X = NH] and its
     derivs., I [R1 = H, piperazine; R2, R3 = H; n = 2-6; X = NH, O], from the
     Indian ascidian Synoicum macroglossum. I are useful in the treatment of
     diabetic disorder by providing inhibition of α-glucosidase.
AN   2005:612288 CAPLUS
DN   143:130287
TI   Isolation of β-carboline derived guanidine alkaloid, tiruchenduramine
     and its derivatives from Indian ascidian Synoicum macroglossum and their
     use in the treatment of diabetic disorder
IN   Venkateswarlu, Yenamandra; Ravinder, Kodela; Yadav, Jhillu Singh;

        Sarathkumar, Yandrapu; Ramakrishna, Sistla; Diwan, Prakash Vamanarao; Rao,
        Janapala Venkateswara; Ramesh, Ratnam; Laatsch, Hartmut
PA   Council of Scientific and Industrial Research, India; Department of Ocean
        Development
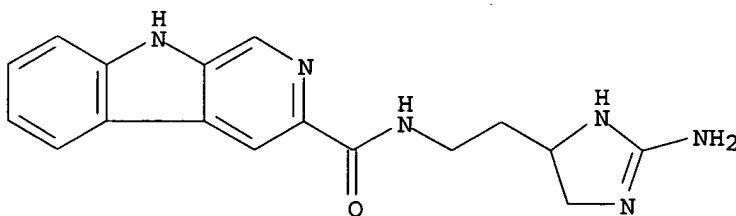SO   PCT Int. Appl., 21 pp.
        CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
        PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
        --------------   ----   --------   --------------------   --------
PI   WO 2005063748   A1   20050714   WO 2003-IN444   20031231
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
             TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003300701   A1   20050721   AU 2003-300701   20031231
     US 2005222168   A1   20051006   US 2004-814777   20040330
PRAI WO 2003-IN444   A   20031231
IT   858343-35-8P, Tiruchenduramine
        RL: IMF (Industrial manufacture); NPO (Natural product occurrence); PRP
        (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL
        (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
            (isolation of tiruchenduramine and its derivs. from Indian ascidian
            Synoicum macroglossum and their use in the treatment of diabetic
            disorder)
RN   858343-35-8 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-
        imidazol-4-yl)ethyl]- (9CI)   (CA INDEX NAME)

Currently available stereo shown.

RE.CNT 5   THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
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=> logoff y
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                               ENTRY   SESSION
FULL ESTIMATED COST   11.14   47.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                               ENTRY   SESSION
CA SUBSCRIBER PRICE   -1.50   -1.50

STN INTERNATIONAL LOGOFF AT 16:01:37 ON 14 APR 2006

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LOGINID:SSSPTA1612RXD

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   FEB 27   New STN AnaVist pricing effective March 1, 2006
NEWS 4   MAY 10   CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5   MAY 11   KOREAPAT updates resume
NEWS 6   MAY 19   Derwent World Patents Index to be reloaded and enhanced
NEWS 7   MAY 30   IPC 8 Rolled-up Core codes added to CA/CAplus and
                     USPATFULL/USPAT2
NEWS 8   MAY 30   The F-Term thesaurus is now available in CA/CAplus
NEWS 9   JUN 02   The first reclassification of IPC codes now complete in
                     INPADOC
NEWS 10   JUN 26   TULSA/TULSA2 reloaded and enhanced with new search and
                     and display fields
NEWS 11   JUN 28   Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12   JUl 11   CHEMSAFE reloaded and enhanced
NEWS 13   JUl 14   FSTA enhanced with Japanese patents
NEWS 14   JUl 19   Coverage of Research Disclosure reinstated in DWPI
NEWS 15   AUG 09   INSPEC enhanced with 1898-1968 archive
NEWS 16   AUG 28   ADISCTI Reloaded and Enhanced
NEWS 17   AUG 30   CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18   SEP 11   CA/CAplus enhanced with more pre-1907 records
NEWS 19   SEP 21   CA/CAplus fields enhanced with simultaneous left and right
                     truncation

NEWS EXPRESS   JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS LOGIN   Welcome Banner and News Items
NEWS IPC8   For general information regarding STN implementation of IPC 8
NEWS X25   X.25 communication option no longer available

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:13:38 ON 22 SEP 2006

=>
=> s tiruchenduramine/cn
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> s tiruchenduramine
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

FILE 'CAPLUS' ENTERED AT 16:14:11 ON 22 SEP 2006
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FILE COVERS 1907 - 22 Sep 2006 VOL 145 ISS 14
FILE LAST UPDATED: 21 Sep 2006 (20060921/ED)

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http://www.cas.org/infopolicy.html

=> s tiruchenduramine
L1   1 TIRUCHENDURAMINE

=> d

L1   ANSWER 1 OF 1 CAPLUS   COPYRIGHT 2006 ACS on STN
AN   2005:612288   CAPLUS
DN   143:130287
TI   Isolation of β-carboline derived guanidine alkaloid,
      tiruchenduramine and its derivatives from Indian ascidian Synoicum

10511525

```
        macroglossum and their use in the treatment of diabetic disorder
IN      Venkateswarlu, Yenamandra; Ravinder, Kodela; Yadav, Jhillu Singh;
        Sarathkumar, Yandrapu; Ramakrishna, Sistla; Diwan, Prakash Vamanarao; Rao,
        Janapala Venkateswara; Ramesh, Ratnam; Laatsch, Hartmut
PA      Council of Scientific and Industrial Research, India; Department of Ocean
        Development
SO      PCT Int. Appl., 21 pp.
        CODEN: PIXXD2
DT      Patent
LA      English
FAN.CNT 1
        PATENT NO.          KIND    DATE         APPLICATION NO.          DATE
        -----------         ----    --------     --------------------     --------
PI      WO 2005063748       A1      20050714     WO 2003-IN444            20031231
            W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
                CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
                GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
                LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
                PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
                TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
            RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
                BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
                ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
                TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
        AU 2003300701       A1      20050721     AU 2003-300701           20031231
        US 2005222168       A1      20051006     US 2004-814777           20040330
PRAI    WO 2003-IN444       A       20031231
RE.CNT  5       THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> s ascidian
            2021 ASCIDIAN
             798 ASCIDIANS
L2          2253 ASCIDIAN
                 (ASCIDIAN OR ASCIDIANS)

=> s l2 and isolation of drug
          253218 ISOLATION
            1189 ISOLATIONS
          253967 ISOLATION
                 (ISOLATION OR ISOLATIONS)
          673917 DRUG
          320834 DRUGS
          832910 DRUG
                 (DRUG OR DRUGS)
             142 ISOLATION OF DRUG
                 (ISOLATION(1W)DRUG)
L3             0 L2 AND ISOLATION OF DRUG

=> s l2 and (isolation of drug)
          253218 ISOLATION
            1189 ISOLATIONS
          253967 ISOLATION
                 (ISOLATION OR ISOLATIONS)
          673917 DRUG
          320834 DRUGS
          832910 DRUG
                 (DRUG OR DRUGS)
             142 ISOLATION OF DRUG
```

```
                   (ISOLATION(1W)DRUG)
L4             0 L2 AND (ISOLATION OF DRUG)

=> s l2 and diabetes
       115662 DIABETES
L5             1 L2 AND DIABETES

=> d abs

L5   ANSWER 1 OF 1   CAPLUS   COPYRIGHT 2006 ACS on STN
GI
```
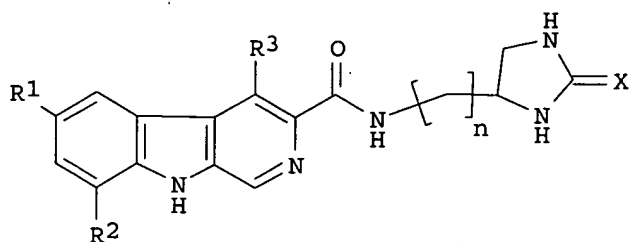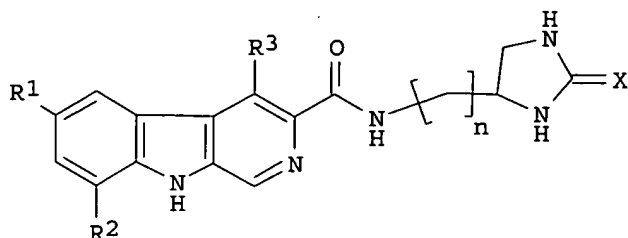

AB   The invention relates to a process for the isolation of β-carboline
     guanidine alkaloid, tiruchenduramine I [R1-R3 = H, n = 2, X = NH] and its
     derivs., I [R1 = H, piperazine; R2, R3 = H; n = 2-6; X = NH, O], from the
     Indian ascidian Synoicum macroglossum. I are useful in the
     treatment of diabetic disorder by providing inhibition of
     α-glucosidase.

```
=> s guanidine alkoloid
        32513 GUANIDINE
         2969 GUANIDINES
        33413 GUANIDINE
               (GUANIDINE OR GUANIDINES)
           15 ALKOLOID
           15 ALKOLOIDS
           30 ALKOLOID
               (ALKOLOID OR ALKOLOIDS)
L6             0 GUANIDINE ALKOLOID
               (GUANIDINE(W)ALKOLOID)

=> s guanidine alkaloid
        32513 GUANIDINE
         2969 GUANIDINES
        33413 GUANIDINE
               (GUANIDINE OR GUANIDINES)
        54359 ALKALOID
        69105 ALKALOIDS
        82751 ALKALOID
               (ALKALOID OR ALKALOIDS)
L7            58 GUANIDINE ALKALOID
               (GUANIDINE(W)ALKALOID)

=> s l7 and diabetes
       115662 DIABETES
L8             1 L7 AND DIABETES
```

10511525

```
=> d abs
```

L8   ANSWER 1 OF 1   CAPLUS   COPYRIGHT 2006 ACS on STN
GI

I

AB   The invention relates to a process for the isolation of β-carboline
      guanidine alkaloid, tiruchenduramine I [R1-R3 = H, n =
      2, X = NH] and its derivs., I [R1 = H, piperazine; R2, R3 = H; n = 2-6; X
      = NH, O], from the Indian ascidian Synoicum macroglossum. I are useful in
      the treatment of diabetic disorder by providing inhibition of
      α-glucosidase.

```
=> s l7 and glucose
      408175 GLUCOSE
         776 GLUCOSES
      408329 GLUCOSE
             (GLUCOSE OR GLUCOSES)
L9         0 L7 AND GLUCOSE

=> s l7 and disorder
      251189 DISORDER
      186589 DISORDERS
      391139 DISORDER
             (DISORDER OR DISORDERS)
L10        1 L7 AND DISORDER

=> file registry
```

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   36.24   36.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
CA SUBSCRIBER PRICE   -1.50   -1.50

10511525

STRUCTURE FILE UPDATES: 21 SEP 2006   HIGHEST RN 908228-18-2
DICTIONARY FILE UPDATES: 21 SEP 2006   HIGHEST RN 908228-18-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.
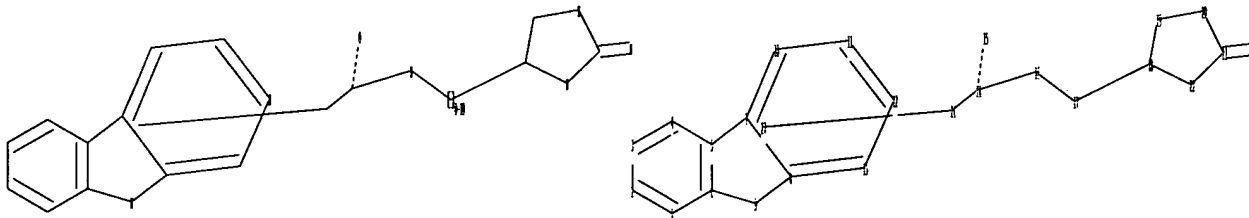
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10814777.str

chain nodes :
14   15   16   17   23   26
ring nodes :
1   2   3   4   5   6   7   8   9   10   11   12   13   18   19   20   21   22
chain bonds :
14-16   14-15   14-26   16-17   17-18   21-23
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   7-10   8-9   8-13   10-11   11-12   12-13
18-19   18-22   19-20   20-21   21-22
exact/norm bonds :
6-9   8-9   14-16   14-15   16-17   18-19   18-22   19-20   20-21   21-22   21-23
exact bonds :
14-26   17-18
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   7-8   7-10   8-13   10-11   11-12   12-13

Match level :
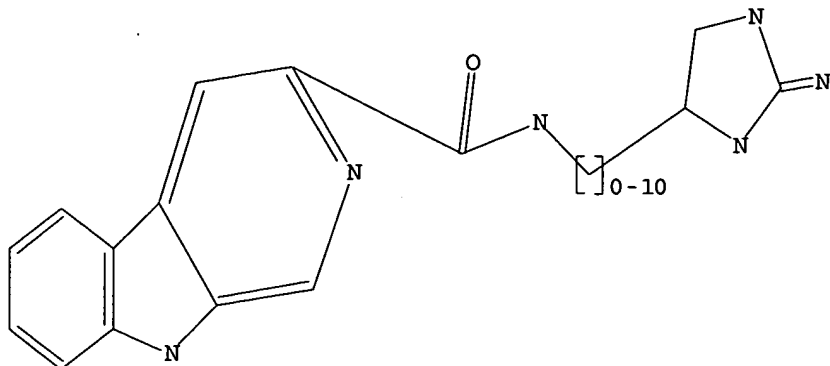1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom   12:Atom   13:Atom   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:Atom   19:Atom
 20:Atom   21:Atom   22:Atom   23:CLASS   26:CLASS   27:Atom

L11   STRUCTURE UPLOADED

=> d l11

10511525

L11 HAS NO ANSWERS
L11   STR

Structure attributes must be viewed using STN Express query preparation.

```
=> s l11
SAMPLE SEARCH INITIATED 16:20:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED       0 ITERATIONS                      0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        0 TO        0
PROJECTED ANSWERS:           0 TO        0

L12          0 SEA SSS SAM L11

=> s l11 ful
FULL SEARCH INITIATED 16:20:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       16 TO ITERATE

100.0% PROCESSED      16 ITERATIONS                     13 ANSWERS
SEARCH TIME: 00.00.01

L13         13 SEA SSS FUL L11

=> file caplus
```

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                              ENTRY   SESSION
FULL ESTIMATED COST   166.94   203.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                              ENTRY   SESSION
CA SUBSCRIBER PRICE   0.00   -1.50

FILE 'CAPLUS' ENTERED AT 16:20:44 ON 22 SEP 2006
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10511525

FILE COVERS 1907 - 22 Sep 2006 VOL 145 ISS 14
FILE LAST UPDATED: 21 Sep 2006 (20060921/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
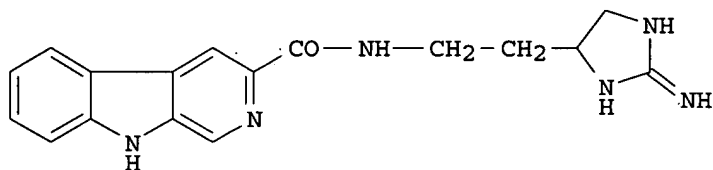They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l13
L14   2 L13

=> d abs bib hitstr

L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
GI

I

AB   The isolation and synthesis of the racemic form of a novel
     β-carboline guanidine alkaloid, tiruchanduramine (I), a potent
     α-glucosidase inhibitor from the Indian ascidian, Synoicum
     macroglossum has been achieved.
AN   2005:614681 CAPLUS
DN   143:169694
TI   Isolation and synthesis of a novel β-carboline guanidine derivative
     tiruchanduramine from the Indian ascidian Synoicum macroglossum
AU   Ravinder, K.; Reddy, A. Vijender; Krishnaiah, P.; Ramesh, P.; Ramakrishna,
     S.; Laatsch, H.; Venkateswarlu, Y.
CS   Natural Products Laboratory, Organic Chemistry Division-I, Indian
     Institute of Chemical Technology, Hyderabad, 500 007, India
SO   Tetrahedron Letters (2005), 46(33), 5475-5478
     CODEN: TELEAY; ISSN: 0040-4039
PB   Elsevier B.V.
DT   Journal
LA   English
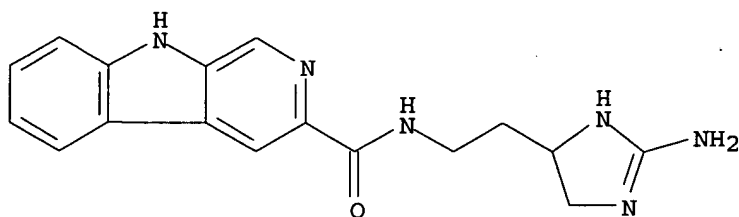IT   858343-35-8P, Tiruchanduramine
     RL: BSU (Biological study, unclassified); PRP (Properties); PUR
     (Purification or recovery); BIOL (Biological study); PREP (Preparation)
        (isolation and synthesis of a novel β-carboline guanidine derivative
        tiruchanduramine from the Indian ascidian Synoicum macroglossum)
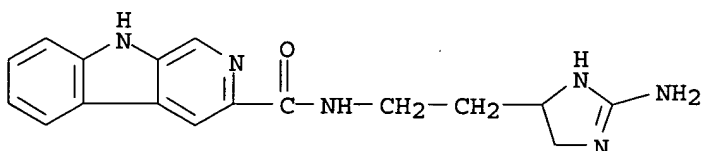RN   858343-35-8 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-

10511525

imidazol-4-yl)ethyl]- (9CI)   (CA INDEX NAME)

Currently available stereo shown.
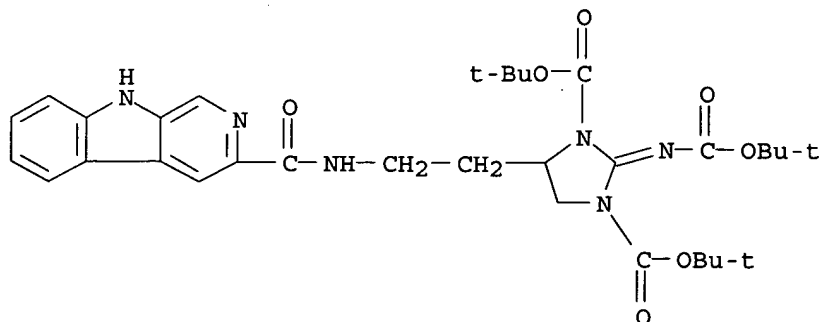

IT   861390-41-2, (±)-Tiruchanduramine
      RL: RCT (Reactant); RACT (Reactant or reagent)
         (isolation and synthesis of a novel β-carboline guanidine derivative
         tiruchanduramine from the Indian ascidian Synoicum macroglossum)
RN   861390-41-2 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)ethyl]-, monohydrochloride (9CI)   (CA INDEX NAME)
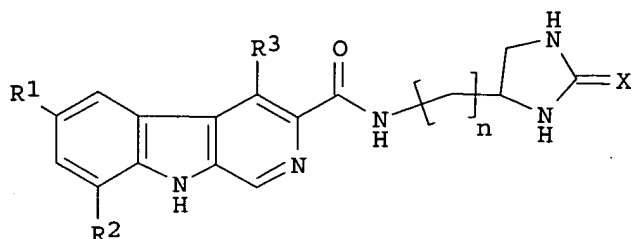

● HCl

IT   861257-04-7P
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
         (isolation and synthesis of a novel β-carboline guanidine derivative
         tiruchanduramine from the Indian ascidian Synoicum macroglossum)
RN   861257-04-7 CAPLUS
CN   1,3-Imidazolidinedicarboxylic acid, 2-[[(1,1-dimethylethoxy)carbonyl]imino
      ]-4-[2-[(9H-pyrido[3,4-b]indol-3-ylcarbonyl)amino]ethyl]-,
      bis(1,1-dimethylethyl) ester (9CI)   (CA INDEX NAME)

10511525

RE.CNT 29   THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d abs bib hitstr 2

L14 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
GI

I

AB   The invention relates to a process for the isolation of β-carboline
     guanidine alkaloid, tiruchenduramine I [R1-R3 = H, n = 2, X = NH] and its
     derivs., I [R1 = H, piperazine; R2, R3 = H; n = 2-6; X = NH, O], from the
     Indian ascidian Synoicum macroglossum. I are useful in the treatment of
     diabetic disorder by providing inhibition of α-glucosidase.
AN   2005:612288 CAPLUS
DN   143:130287
TI   Isolation of β-carboline derived guanidine alkaloid, tiruchenduramine
     and its derivatives from Indian ascidian Synoicum macroglossum and their
     use in the treatment of diabetic disorder
IN   Venkateswarlu, Yenamandra; Ravinder, Kodela; Yadav, Jhillu Singh;
     Sarathkumar, Yandrapu; Ramakrishna, Sistla; Diwan, Prakash Vamanarao; Rao,
     Janapala Venkateswara; Ramesh, Ratnam; Laatsch, Hartmut
PA   Council of Scientific and Industrial Research, India; Department of Ocean
     Development
SO   PCT Int. Appl., 21 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
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PI   WO 2005063748   A1   20050714   'WO 2003-IN444   20031231
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
            GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
            LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
            PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
            TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
        RW:· BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
            BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
            ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
            TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003300701   A1   20050721   AU 2003-300701   20031231
     US 2005222168   A1   20051006   US 2004-814777   20040330
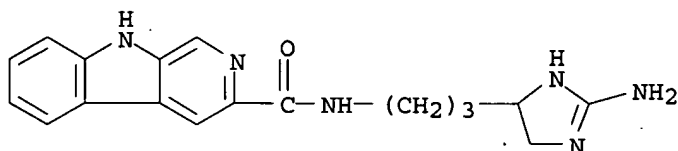PRAI WO 2003-IN444   A   20031231

10511525

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IT    857840-45-0P 857840-46-1P 857840-47-2P
      857840-48-3P 857840-56-3P 857840-57-4P
      857840-59-6P 857840-61-0P 857840-63-2P
      858343-35-8P, Tiruchenduramine
      RL: IMF (Industrial manufacture); NPO (Natural product occurrence); PRP
      (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL
      (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
         (isolation of tiruchenduramine and its derivs. from Indian ascidian
         Synoicum macroglossum and their use in the treatment of diabetic
         disorder)
RN    857840-45-0  CAPLUS
CN    9H-Pyrido[3,4-b]indole-3-carboxamide, N-[3-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)propyl]- (9CI)   (CA INDEX NAME)
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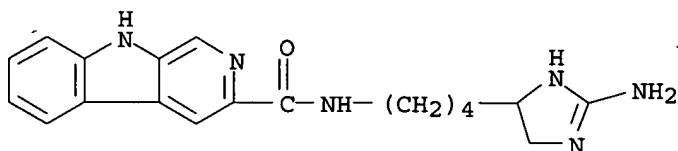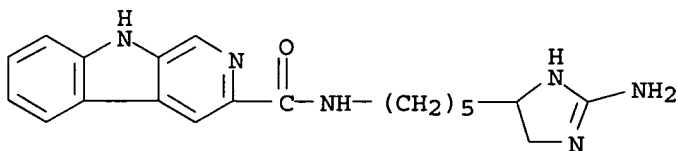


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RN    857840-46-1  CAPLUS
CN    9H-Pyrido[3,4-b]indole-3-carboxamide, N-[4-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)butyl]- (9CI)   (CA INDEX NAME)
```



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RN    857840-47-2  CAPLUS
CN    9H-Pyrido[3,4-b]indole-3-carboxamide, N-[5-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)pentyl]- (9CI)   (CA INDEX NAME)
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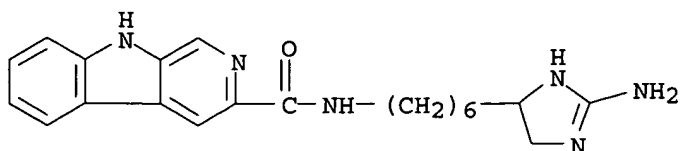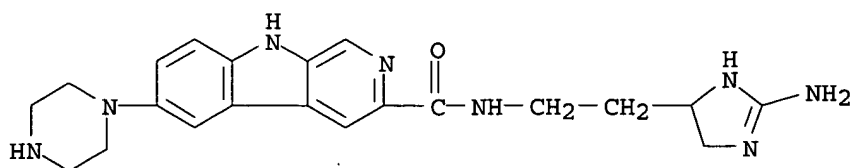


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RN    857840-48-3  CAPLUS
CN    9H-Pyrido[3,4-b]indole-3-carboxamide, N-[6-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)hexyl]- (9CI)   (CA INDEX NAME)
```
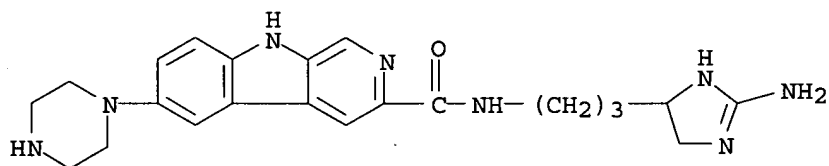
RN   857840-56-3 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)ethyl]-6-(1-piperazinyl)- (9CI)   (CA INDEX NAME)
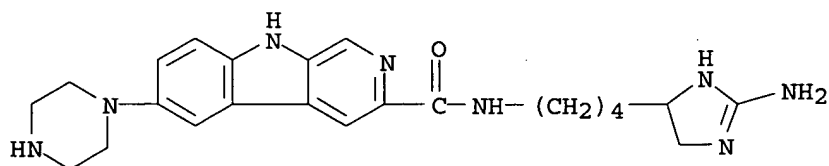
RN   857840-57-4 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[3-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)propyl]-6-(1-piperazinyl)- (9CI)   (CA INDEX NAME)
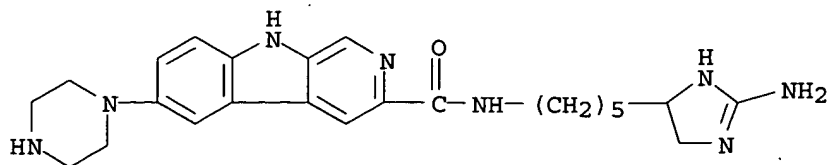
RN   857840-59-6 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[4-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)butyl]-6-(1-piperazinyl)- (9CI)   (CA INDEX NAME)
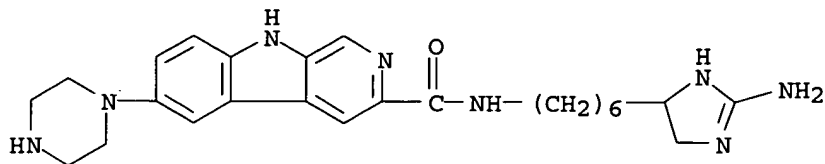
RN   857840-61-0 CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[5-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)pentyl]-6-(1-piperazinyl)- (9CI)   (CA INDEX NAME)

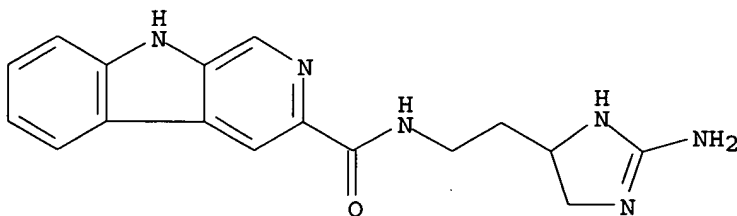10511525

RN   857840-63-2   CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[6-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)hexyl]-6-(1-piperazinyl)- (9CI)   (CA INDEX NAME)

RN   858343-35-8   CAPLUS
CN   9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-
      imidazol-4-yl)ethyl]- (9CI)   (CA INDEX NAME)

Currently available stereo shown.

RE.CNT 5   THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file stnguide
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                  ENTRY   SESSION
FULL ESTIMATED COST   11.14   214.53

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                  ENTRY   SESSION
CA SUBSCRIBER PRICE   -1.50   -3.00

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Sep 15, 2006 (20060915/UP).

=> file registry
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                  ENTRY   SESSION
FULL ESTIMATED COST   0.06   214.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
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CA SUBSCRIBER PRICE   0.00   -3.00

10511525

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STRUCTURE FILE UPDATES: 21 SEP 2006   HIGHEST RN 908228-18-2
DICTIONARY FILE UPDATES: 21 SEP 2006   HIGHEST RN 908228-18-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

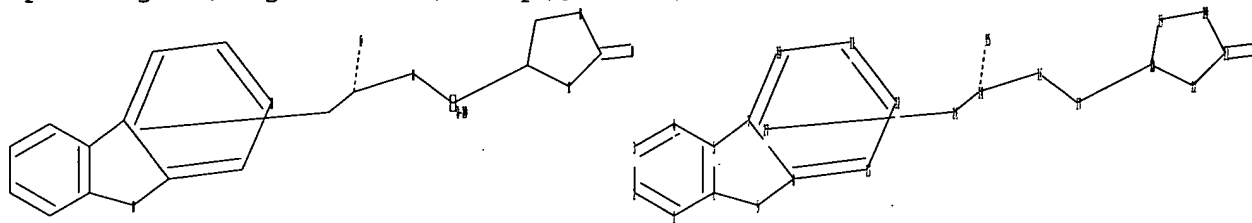TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10814777.str

chain nodes :
14   15   16   17   23   26
ring nodes :
1   2   3   4   5   6   7   8   9   10   11   12   13   18   19   20   21   22
chain bonds :
14-16   14-15   14-26   16-17   17-18   21-23
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   7-10   8-9   8-13   10-11   11-12   12-13
18-19   18-22   19-20   20-21   21-22
exact/norm bonds :
6-9   8-9   14-16   14-15   16-17   18-19   18-22   19-20   20-21   21-22   21-23
exact bonds :
14-26   17-18
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   7-8   7-10   8-13   10-11   11-12   12-13

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom   12:Atom   13:Atom   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:Atom   19:Atom
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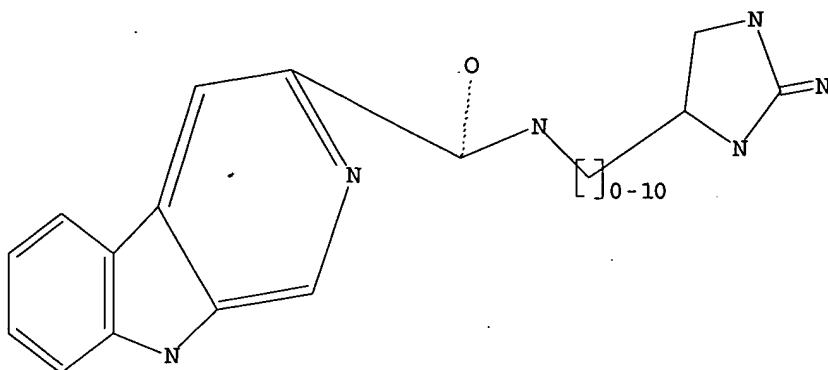10511525

L15   STRUCTURE UPLOADED

=> d l15
L15 HAS NO ANSWERS
L15   STR

Structure attributes must be viewed using STN Express query preparation.

=> s l15
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SAMPLE SCREEN SEARCH COMPLETED -   0 TO ITERATE

100.0% PROCESSED   0 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 0 TO   0
PROJECTED ANSWERS: 0 TO   0

L16   0 SEA SSS SAM L15

=> s l15 ful
FULL SEARCH INITIATED 16:23:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   16 TO ITERATE

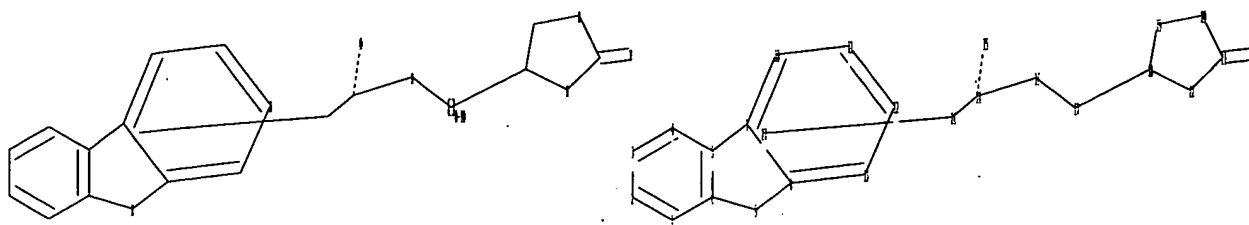100.0% PROCESSED   16 ITERATIONS   13 ANSWERS
SEARCH TIME: 00.00.01

L17   13 SEA SSS FUL L15

=>
Uploading C:\Program Files\Stnexp\Queries\10814777.str

```
chain nodes :
14   15   16   17   23   26
ring nodes :
1   2   3   4   5   6   7   8   9   10   11   12   13   18   19   20   21   22
chain bonds :
14-16   14-15   14-26   16-17   17-18   21-23
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   7-10   8-9   8-13   10-11   11-12   12-13
18-19   18-22   19-20   20-21   21-22
exact/norm bonds :
6-9   8-9   14-16   14-15   16-17   18-19   18-22   19-20   20-21   21-22   21-23
exact bonds :
14-26   17-18
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   7-8   7-10   8-13   10-11   11-12   12-13
```

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Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom   12:Atom   13:Atom   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:Atom   19:Atom
 20:Atom   21:Atom   22:Atom   23:CLASS   26:CLASS   27:Atom
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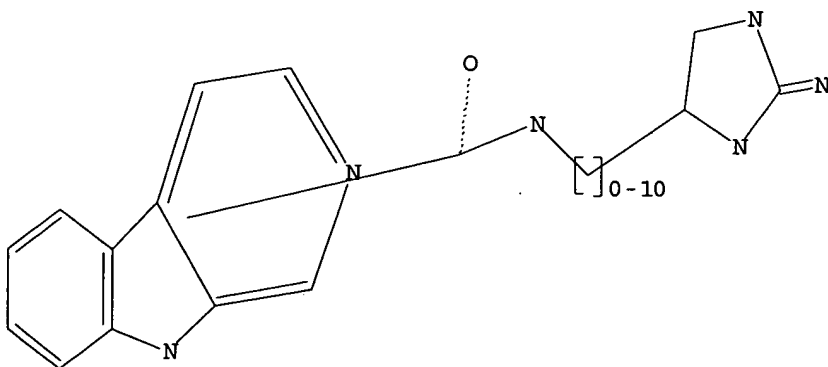
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L18       STRUCTURE UPLOADED

=> d l18
L18 HAS NO ANSWERS
L18                STR
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Structure attributes must be viewed using STN Express query preparation.


```
=> s l18
SAMPLE SEARCH INITIATED 16:25:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:            0 TO         0
PROJECTED ANSWERS:               0 TO         0

L19           0 SEA SSS SAM L18

=> s l18 ful
FULL SEARCH INITIATED 16:25:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L20           0 SEA SSS FUL L18

=> file registry
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY       SESSION
FULL ESTIMATED COST                             336.08       550.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY       SESSION
CA SUBSCRIBER PRICE                               0.00        -3.00
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FILE 'REGISTRY' ENTERED AT 16:26:40 ON 22 SEP 2006
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STRUCTURE FILE UPDATES: 21 SEP 2006   HIGHEST RN 908228-18-2
DICTIONARY FILE UPDATES: 21 SEP 2006   HIGHEST RN 908228-18-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

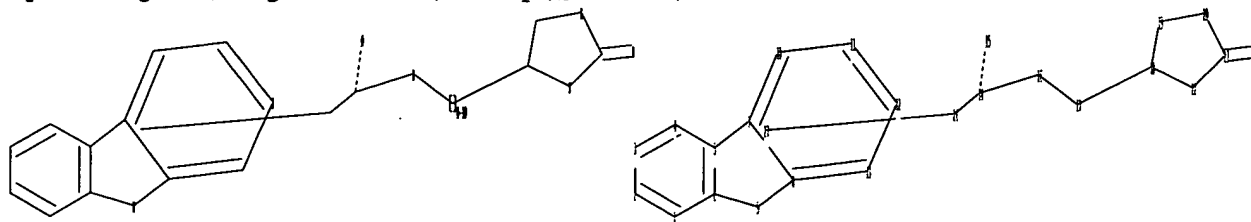TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

10511525

=>
Uploading C:\Program Files\Stnexp\Queries\10814777.str

chain nodes :
14 15 16 17 23 26
ring nodes :
1   2   3   4   5   6   7   8   9   10 11 12 13 18 19 20 21 22
chain bonds :
14-16 14-15 14-26 16-17 17-18 21-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 12-13
18-19 18-22 19-20 20-21 21-22
exact/norm bonds :
6-9 8-9 14-16 14-15 16-17 18-19 18-22 19-20 20-21 21-22 21-23
exact bonds :
14-26 17-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 7-8 7-10 8-13 10-11 11-12 12-13
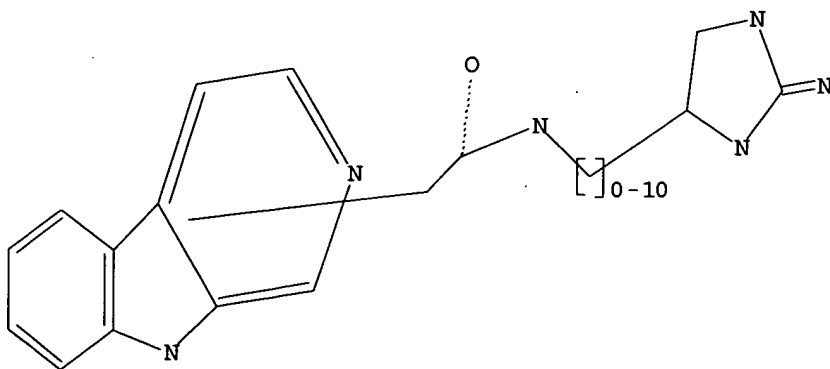

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:CLASS 26:CLASS 27:Atom

L21   STRUCTURE UPLOADED

=> d l21
L21 HAS NO ANSWERS
L21   STR

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Structure attributes must be viewed using STN Express query preparation.


```
=> s l21
SAMPLE SEARCH INITIATED 16:27:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L22           0 SEA SSS SAM L21

=> s l21 ful
FULL SEARCH INITIATED 16:27:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L23            0 SEA SSS FUL L21

=> logoff y
COST IN U.S. DOLLARS                     SINCE FILE        TOTAL
                                             ENTRY      SESSION
FULL ESTIMATED COST                         167.38       718.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE        TOTAL
                                             ENTRY      SESSION
CA SUBSCRIBER PRICE                           0.00        -3.00

STN INTERNATIONAL LOGOFF AT 16:28:08 ON 22 SEP 2006
```

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